WALL MOUNTED ETHEREA // INVERTER+ // SILVER

NEW ETHEREA WITH ECO PATROL, MORE EFFICIENT, MORE COMFORT, MORE DESIGN, MORE HEALTHY AIR

Eco Patrol's sensor technology uses factors such as speed, frequency and temperature to determine the human activity level in the room for maximum comfort and maximum savings. With Eco Patrol, you can save up to 30%. Furthermore, Etherea is more efficient than ever with 64% less consumption for the non Inverter model on heat pump mode, and can reach 71% total savings when used with Eco Patrol. More efficiency for bigger savings!

Etherea has an advanced air purifying system with the new Patrol Sensor to detect and eliminate contaminants.

Etherea is also able to prevent rapid decreases in room humidity with the new mild dry cooling system which increases comfort, especially when sleeping with the air conditioning running.

Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on.

WALL MOUNTED ETHEREA // INVERTER+ // SILVER

Kit			**KIT-XE7-LKE**	**KIT-XE9-LKE**	**KIT-XE12-LKE**	**KIT-XE15-LKE**
Indoor			**CS-XE7LKEW**	**CS-XE9LKEW**	**CS-XE12LKEW**	**CS-XE15LKEW**
Outdoor			**CU-E7LKE**	**CU-E9LKE**	**CU-E12LKE**	**CU-E15LKE**
Cooling capacity	Nominal (Min - Max)	kW	2.05 (0.70-2.40)	2.50 (0.80-3.00)	3.50 (0.80-4.00)	4.20 (0.80-5.00)
	Nominal (Min - Max)	kCal/h	1,760 (600-2,060)	2,150 (690-2,580)	3,010 (690-3,440)	3,610 (690-4,300)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.36 (4.12-4.14) A**	**4.67 (4.57-4.11) A**	**4.07 (4.32-3.54) A**	**3.33 (4.10-3.18) A**
Power input Cooling	Nominal (Min - Max)	kW	0.47 (0.17-0.58)	0.535 (0.175-0.730)	0.860 (0.185-1.130)	1.26 (0.195-1.570)
Heating capacity	Nominal (Min - Max)	kW	2.80 (0.70-4.00)	3.40 (0.80-5.00)	4.00 (0.80-6.00)	5.30 (0.80-6.80)
	Nominal (Min - Max)	kCal/h	2,410 (600-3,440)	2,920 (690-4,300)	3,440 (690-5,160)	4,560 (690-5850)
Heating capacity at -7°C	Nominal	kW	2.35	2.88	3.46	3.94
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.41 (4.38-3.92) A**	**4.63 (4.85-3.85) A**	**4.21 (4.57-3.51) A**	**3.68 (4.32-3.51) A**
Power input Heating	Nominal (Min - Max)	kW	0.635 (0.16-1.02)	0.735 (0.165-1.30)	0.950 (0.175-1.71)	1.44 (0.185-1.940)
Annual Energy Consumption [2]		kWh	235	268	430	630
Indoor unit						
Air Volume	Cooling / Heating	m^3/h	654 / 684	678 / 702	750 / 768	750 / 804
Moisture removal volume		l/h	1.3	1.5	2.0	2.4
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	37 / 24 / 20	39 / 25 / 20	42 / 28 / 20	43 / 31 / 25
	Heating (Hi / Lo / S-Lo)	dB(A)	38 / 25 / 20	40 / 27 / 20	42 / 33 / 20	43 / 35 / 29
Sound power Level	Cooling (Hi)	dB	53	55	58	59
	Heating (Hi)	dB	54	56	58	59
Dimensions	H x W x D	mm	290 x 870 x 204	290 x 870 x 204	290 x 870 x 204	290 x 870 x 204
Net weight		kg	9	9	9	9
Air purifier filter			Patrol + E-ion	Patrol + E-ion	Patrol + E-ion	Patrol + E-ion
Outdoor unit						
Power source		V	230	230	230	230
Connection		mm^2	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Current Cooling	Nominal	A	2.2	2.5	3.9	5.7
Current Heating	Nominal	A	3.0	3.4	4.4	6.6
Max. current		A	4.7	5.8	7.8	9.0
Air Volume	Cooling / Heating	m^3/h	2,034 / 2,034	1,788 / 1,788	1,860 / 1,860	1,884 / 1,884
Sound pressure Level [3]	Cooling (Hi)	dB(A)	45	46	48	49
	Heating (Hi)	dB(A)	46	47	50	51
Sound power Level	Cooling (Hi)	dB	60	61	63	64
	Heating (Hi)	dB	61	62	65	66
Dimensions [4]	H x W x D	mm	540 x 780 x 289	540 x 780 x 289	540 x 780 x 289	540 x 780 x 289
Net weight		kg	33	34	34	34
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	1/2" (12.70)
Refrigerant Loading	R410A	kg	0.830	0.950	0.980	1.01
Elevation difference (in/out) [5]	Max	m	15	15	15	15
Piping length	Min / Max	m	3-15	3-15	3-15	3-15
Piping length without refrigerant increase	Max	m	7.5	7.5	7.5	7.5
Additional gas		g/m	20	20	20	20
Operating range [3]	Cooling Min / Max	°C	+5 / +43	+5 / +43	+5 / +43	+5 / +43
	Heating Min / Max	°C	-5 / +24	-5 / +24	-5 / +24	-5 / +24

GLOBAL REMARKS

Rating conditions	Cooling	Heating
Inside air temperature	27°C DB / 19°C WB	20°C DB
Outside air temperature	35°C DB / 24°C WB	7°C DB / 6°C WB

DB: Dry Bulb; WB: Wet Bulb

This model is not suitable to use in heating mode below -5°C with continuous operation (24h operation).

Connectivity restriction: JKE units are not compatible with LKE units.

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.

2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.

3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.

4) Add 70 mm for piping port.

5) When installing the outdoor unit at a higher position than the indoor unit.

ETHEREA

NEW10

TECHNICAL FOCUS

- MAXIMUM EFFICIENCY AND COMFORT WITH ECO PATROL
- VERY EXCLUSIVE SILVER DESIGN
- NEW GENERATION OF E-ION AIR PURIFYING SYSTEM WITH 24-HR PATROL SENSOR
- MILD DRY COOLING: PREVENT A RAPID DECREASE IN ROOM HUMIDITY
- SUPER QUIET! ONLY 20DB, EQUIVALENT TO NIGHT-TIME IN THE COUNTRY
- MORE POWERFUL AIRFLOW TO QUICKLY REACH THE DESIRED TEMPERATURE

eco ideas
Energy-Efficiency Classification
Most efficient level: A
(CS-XE9LKEW EER/COP: 4.67/4.63)

KIT-XE7-LKE // KIT-XE9-LKE // KIT-XE12-LKE // KIT-XE15-LKE

HEALTHY AIR
- E-ion plus air purifying system
- Patrol sensor to detect and eliminate contaminants
- Air conditioner and purifier with simultaneous or independent operation
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system, for bigger savings
- -30% consumption with Eco Patrol on heat pump (-20% on cooling mode)
- R410A refrigerant gas

COMFORT
- Super Quiet mode (from 20 dB)
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE
- Real time clock with dual ON&OFF timer
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- 15 m maximum connection distance
- 15 m maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

CU-E7LKE CU-E9LKE
CU-E12LKE CU-E15LKE

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WALL MOUNTED ETHEREA // INVERTER+ // SILVER

Kit			**KIT-XE18-LKE**	**KIT-XE21-LKE**
Indoor			**CS-XE18LKEW**	**CS-XE21LKEW**
Outdoor			**CU-E18LKE**	**CU-E21LKE**
Cooling capacity	Nominal (Min - Max)	kW	5.00 (0.90-6.00)	6.30 (0.90-7.10)
	Nominal (Min - Max)	kCal/h	4,300 (770-5,160)	5,420 (770-6,110)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**3.40 (4.19-2.96) A**	**2.85 (4.19-2.8) C**
Power input Cooling	Nominal (Min - Max)	kW	1.47 (0.215-2.03)	2.21 (0.215-2.54)
Heating capacity	Nominal (Min - Max)	kW	5.80 (0.90-8.00)	7.20 (0.90-8.50)
	Nominal (Min - Max)	kCal/h	4990 (770-6,880)	6,190 (770-7,310)
Heating capacity at -7°C	Nominal	kW	4.98	5.24
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**3.77 (3.67-3.08) A**	**3.43 (3.67-3.09) B**
Power input Heating	Nominal (Min - Max)	kW	1.54 (0.245-2.600)	2.10 (0.245-2.75)
Annual Energy Consumption [2]		kWh	735	1,105
Indoor unit				
Air Volume	Cooling / Heating	m^3/h	978 / 1,074	1,038 / 1,110
Moisture removal volume		l/h	2.8	3.5
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	44 / 37 / 34	45 / 37 / 34
	Heating (Hi / Lo / S-Lo)	dB(A)	44 / 37 / 34	45 / 37 / 34
Sound power Level	Cooling (Hi)	dB	60	61
	Heating (Hi)	dB	60	61
Dimensions	H x W x D	mm	290 x 1,070 x 235	290 x 1,070 x 235
Net weight		kg	12	12
Air purifier filter			Patrol + E-ion	Patrol + E-ion
Outdoor unit				
Power source		V	230	230
Connection		mm^2	4 x 2.5	4 x 2.5
Current Cooling	Nominal	A	6.7	9.8
Current Heating	Nominal	A	7.0	9.3
Max. current		A	11.7	12.1
Air Volume	Cooling / Heating	m^3/h	2,400 / 2,316	2,568 / 2,490
Sound pressure Level [3]	Cooling (Hi)	dB(A)	47	48
	Heating (Hi)	dB(A)	47	49
Sound power Level	Cooling (Hi)	dB	61	62
	Heating (Hi)	dB	61	63
Dimensions [4]	H x W x D	mm	750 x 875 x 345	750 x 875 x 345
Net weight		kg	48	49
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	1/2" (12.70)	1/2" (12.70)
Refrigerant Loading	R410A	kg	1.15	1.29
Elevation difference (in/out) [5]	Max	m	15	15
Piping length	Min / Max	m	3-20	3-20
Piping length without refrigerant increase	Max	m	10	10
Additional gas		g/m	20	20
Operating range [3]	Cooling Min / Max	°C	+5 / +43	+5 / +43
	Heating Min / Max	°C	-5 / +24	-5 / +24

GLOBAL REMARKS	Rating conditions	Cooling	Heating
	Inside air temperature	27°C DB / 19°C WB	20°C DB
	Outside air temperature	35°C DB / 24°C WB	7°C DB / 6°C WB

DB: Dry Bulb; WB: Wet Bulb

This model is not suitable to use in heating mode below -5°C with continuous operation (24h operation).

Connectivity restriction: JKE units are not compatible with LKE units.

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.

2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.

3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.

4) Add 70 mm for piping port.

5) When installing the outdoor unit at a higher position than the indoor unit.

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KIT-XE18-LKE // KIT-XE21-LKE

HEALTHY AIR
- E-ion plus air purifying system
- Patrol sensor to detect and eliminate contaminants
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- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system, for bigger savings
- -30% consumption with Eco Patrol on heat pump (-20% on cooling mode)
- R410A refrigerant gas

COMFORT
- Super Quiet mode
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE
- Real time clock with dual ON&OFF timer
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- 15 m maximum connection distance (20 m for XE18 and XE21)
- 15 m maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

eco ideas

Energy-Efficiency Classification
Most efficient level: A
(CS-XE18LKEW EER/COP: 3.40/3.77)

CU-E18LKE
CU-E21LKE

A energy saving air
INVERTER+

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movement sensor for 30% savings — ECO PATROL

24h quality air control — PATROL SENSOR

pure air system — e-ION PLUS

perfect humidity air — MILD DRY

Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on.

20dB silent air — SUPER QUIET

FOR E7, E9 AND E12

WALL MOUNTED ETHEREA // INVERTER+ // WHITE

Kit			KIT-E7-LKE	KIT-E9-LKE	KIT-E12-LKE	KIT-E15-LKE
Indoor			CS-E7LKEW	CS-E9LKEW	CS-E12LKEW	CS-E15LKEW
Outdoor			CU-E7LKE	CU-E9LKE	CU-E12LKE	CU-E15LKE
Cooling capacity	Nominal (Min - Max)	kW	2.05 (0.70-2.40)	2.50 (0.80-3.00)	3.50 (0.80-4.00)	4.20 (0.80-5.00)
	Nominal (Min - Max)	kCal/h	1,760 (600-2,060)	2,150 (690-2,580)	3,010 (690-3,440)	3,610 (690-4,300)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.36 (4.12-4.14) A**	**4.67 (4.57-4.11) A**	**4.07 (4.32-3.54) A**	**3.33 (4.10-3.18) A**
Power input Cooling	Nominal (Min - Max)	kW	0.47 (0.17-0.58)	0.535 (0.175-0.730)	0.860 (0.185-1.130)	1.26 (0.195-1.570)
Heating capacity	Nominal (Min - Max)	kW	2.80 (0.70-4.00)	3.40 (0.80-5.00)	4.00 (0.80-6.00)	5.30 (0.80-6.80)
	Nominal (Min - Max)	kCal/h	2,410 (600-3,440)	2,920 (690-4,300)	3,440 (690-5,160)	4,560 (690-5850)
Heating capacity at -7°C	Nominal	kW	2.35	2.88	3.46	3.94
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.41 (4.38-3.92) A**	**4.63 (4.85-3.85) A**	**4.21 (4.57-3.51) A**	**3.68 (4.32-3.51) A**
Power input Heating	Nominal (Min - Max)	kW	0.635 (0.16-1.02)	0.735 (0.165-1.30)	0.950 (0.175-1.71)	1.44 (0.185-1.940)
Annual Energy Consumption [2]		kWh	235	268	430	630
Indoor unit						
Air Volume	Cooling / Heating	m^3/h	654 / 684	678 / 702	750 / 768	750 / 804
Moisture removal volume		l/h	1.3	1.5	2.0	2.4
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	37 / 24 / 20	39 / 25 / 20	42 / 28 / 20	43 / 31 / 25
	Heating (Hi / Lo / S-Lo)	dB(A)	38 / 25 / 20	40 / 27 / 20	42 / 33 / 20	43 / 35 / 29
Sound power Level	Cooling (Hi)	dB	53	55	58	59
	Heating (Hi)	dB	54	56	58	59
Dimensions	H x W x D	mm	290 x 870 x 204	290 x 870 x 204	290 x 870 x 204	290 x 870 x 204
Net weight		kg	9	9	9	9
Air purifier filter			Patrol + E-ion	Patrol + E-ion	Patrol + E-ion	Patrol + E-ion
Outdoor unit						
Power source		V	230	230	230	230
Connection		mm^2	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Current Cooling	Nominal	A	2.2	2.5	3.9	5.7
Current Heating	Nominal	A	3.0	3.4	4.4	6.6
Max. current		A	4.7	5.8	7.8	9.0
Air Volume	Cooling / Heating	m^3/h	2,034 / 2,034	1,788 / 1,788	1,860 / 1,860	1,884 / 1,884
Sound pressure Level [3]	Cooling (Hi)	dB(A)	45	46	48	49
	Heating (Hi)	dB(A)	46	47	50	51
Sound power Level	Cooling (Hi)	dB	60	61	63	64
	Heating (Hi)	dB	61	62	65	66
Dimensions [4]	H x W x D	mm	540 x 780 x 289	540 x 780 x 289	540 x 780 x 289	540 x 780 x 289
Net weight		kg	33	34	34	34
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	1/2" (12.70)
Refrigerant Loading	R410A	kg	0.830	0.950	0.980	1.01
Elevation difference (in/out) [5]	Max	m	15	15	15	15
Piping length	Min / Max	m	3-15	3-15	3-15	3-15
Piping length without refrigerant increase	Max	m	7.5	7.5	7.5	7.5
Additional gas		g/m	20	20	20	20
Operating range [3]	Cooling Min / Max	°C	+5 / +43	+5 / +43	+5 / +43	+5 / +43
	Heating Min / Max	°C	-5 / +24	-5 / +24	-5 / +24	-5 / +24

GLOBAL REMARKS

Rating conditions	Cooling	Heating
Inside air temperature	27°C DB / 19°C WB	20°C DB
Outside air temperature	35°C DB / 24°C WB	7°C DB / 6°C WB

DB: Dry Bulb; WB: Wet Bulb

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eco ideas

Energy-Efficiency Classification
Most efficient level: A
(CS-E9LKEW EER/COP: 4.67/4.63)

KIT-E7-LKE // KIT-E9-LKE // KIT-E12-LKE // KIT-E15-LKE

HEALTHY AIR
- E-ion plus air purifying system
- Patrol sensor to detect and eliminate contaminants
- Air conditioner and purifier with simultaneous or independent operation
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system, for bigger savings
- -30% consumption with Eco Patrol on heat pump (-20% on cooling mode)
- R410A refrigerant gas

COMFORT
- Super Quiet mode (from 20dB)
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE
- Real time clock with dual ON&OFF timer
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- 15 m maximum connection distance
- 15 m maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

INCLUDED WITH THE INDOOR UNIT

CU-E7LKE
CU-E9LKE

CU-E12LKE
CU-E15LKE

A energy saving air INVERTER+

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pure air system e-ION PLUS

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Kit			**KIT-E18-LKE**	**KIT-E21-LKE**	**KIT-E24-LKE**	**KIT-E28-LKE**
Indoor			**CS-E18LKEW**	**CS-E21LKEW**	**CS-E24LKES**	**CS-E28LKES**
Outdoor			**CU-E18LKE**	**CU-E21LKE**	**CU-E24LKE**	**CU-E28LKE**
Cooling capacity	Nominal (Min - Max)	kW	5.00 (0.90-6.00)	6.30 (0.90-7.10)	6.80 (0.90-8.10)	7.65 (0.90-8.60)
	Nominal (Min - Max)	kCal/h	4,300 (770-5,160)	5,420 (770-6,110)	5,850 (770-6,970)	6580 (770-7400)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**3.40 (4.19-2.96) A**	**2.85 (4.19-2.8) C**	**3.21 (2.57-3.00) A**	**3.01 (2.57-2.92) B**
Power input Cooling	Nominal (Min - Max)	kW	1.47 (0.215-2.03)	2.21 (0.215-2.54)	2.12 (0.35-2.7)	2.54 (0.35-2.95)
Heating capacity	Nominal (Min - Max)	kW	5.80 (0.90-8.00)	7.20 (0.90-8.50)	8.60 (0.90-9.90)	9.60 (0.90-11.00)
	Nominal (Min - Max)	kCal/h	4990 (770-6,880)	6,190 (770-7,310)	7,400 (770-8,510)	8,260 (770-9460)
Heating capacity at -7°C	Nominal	kW	4.98	5.24	6.13	6.77
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**3.77 (3.67-3.08) A**	**3.43 (3.67-3.09) B**	**3.23 (2.5-3.09) C**	**2.91 (2.5-2.93) D**
Power input Heating	Nominal (Min - Max)	kW	1.54 (0.245-2.600)	2.10 (0.245-2.75)	2.66 (0.36-3.20)	3.30 (0.36-3.75)
Annual Energy Consumption [2]		kWh	735	1,105	1,060	1,270
Indoor unit						
Air Volume	Cooling / Heating	m^3/h	978 / 1,074	1,038 / 1,110	1,104 / 1,170	1,158 / 1,206
Moisture removal volume		l/h	2.8	3.5	3.9	4.5
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	44 / 37 / 34	45 / 37 / 34	47 / 38 / 35	49 / 38 / 35
	Heating (Hi / Lo / S-Lo)	dB(A)	44 / 37 / 34	45 / 37/ 34	47 / 38 / 35	48 / 38 / 35
Sound power Level	Cooling (Hi)	dB	60	61	63	65
	Heating (Hi)	dB	60	61	63	64
Dimensions	H x W x D	mm	290 x 1,070 x 235	290 x 1,070 x 235	290 x 1,070 x 235	290 x 1,070 x 235
Net weight		kg	12	12	12	12
Air purifier filter			Patrol + E-ion	Patrol + E-ion	Patrol + E-ion	Patrol + E-ion
Outdoor unit						
Power source		V	230	230	230	230
Connection		mm^2	4 x 2.5	4 x 2.5	4 x 2.5	4 x 2.5
Current Cooling	Nominal	A	6.7	9.8	9.7	11.5
Current Heating	Nominal	A	7.0	9.3	12.1	15
Max. current		A	11.7	12.1	14.6	15.6
Air Volume	Cooling / Heating	m^3/h	2,400 / 2,316	2,568 / 2,490	3,012 / 3,012	3,270 / 3,270
Sound pressure Level [3]	Cooling (Hi)	dB(A)	47	48	52	53
	Heating (Hi)	dB(A)	47	49	52	53
Sound power Level	Cooling (Hi)	dB	61	62	66	67
	Heating (Hi)	dB	61	63	66	67
Dimensions [4]	H x W x D	mm	750 x 875 x 345	750 x 875 x 345	795 x 875 x 320	795 x 875 x 320
Net weight		kg	48	49	65	66
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	1/2" (12.70)	1/2" (12.70)	5/8" (15.88)	5/8" (15.88)
Refrigerant Loading	R410A	kg	1.15	1.29	1.70	1.80
Elevation difference (in/out) [5]	Max	m	15	15	20	20
Piping length	Min / Max	m	3-20	3-20	3-30	3-30
Piping length without refrigerant increase	Max	m	10	10	10	10
Additional gas		g/m	20	20	30	30
Operating range [3]	Cooling Min / Max	°C	+5 / +43	+5 / +43	+16 / +43	+16 / +43
	Heating Min / Max	°C	-5 / +24	-5 / +24	-5 / +24	-5 / +24

GLOBAL REMARKS

Rating conditions	Cooling	Heating
Inside air temperature	27°C DB / 19°C WB	20°C DB
Outside air temperature	35°C DB / 24°C WB	7°C DB / 6°C WB

DB: Dry Bulb; WB: Wet Bulb

This model is not suitable to use in heating mode below -5°C with continuous operation (24h operation).

Connectivity restriction: JKE units are not compatible with LKE units.

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.

2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.

3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.

4) Add 70 mm for piping port.

5) When installing the outdoor unit at a higher position than the indoor unit.

ETHEREA

NEW10

TECHNICAL FOCUS

- MAXIMUM EFFICIENCY AND COMFORT WITH ECO PATROL
- VERY EXCLUSIVE WHITE DESIGN
- NEW GENERATION OF E-ION AIR PURIFYING SYSTEM WITH 24-HR PATROL SENSOR
- MILD DRY COOLING: PREVENT A RAPID DECREASE IN ROOM HUMIDITY
- MORE POWERFUL AIRFLOW TO QUICKLY REACH THE DESIRED TEMPERATURE

eco ideas

Energy-Efficiency Classification
Most efficient level: A
(CS-E18LKEW EER/COP: 3.40/3.77)

KIT-E18-LKE // KIT-E21-LKE // KIT-E24-LKE // KIT-E28-LKE

HEALTHY AIR
- E-ion plus air purifying system
- Patrol sensor to detect and eliminate contaminants
- Air conditioner and purifier with simultaneous or independent operation
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system, for bigger savings
- -30% consumption with Eco Patrol on heat pump (-20% on cooling mode)
- R410A refrigerant gas

COMFORT
- Super Quiet mode
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE
- Real time clock with dual ON&OFF timer
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- 20 m maximum connection distance (30 m for E24 and E28)
- 15 m maximum elevation difference (20 m for E24 and E28)
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

INCLUDED WITH THE INDOOR UNIT

CU-E18LKE
CU-E21LKE

CU-E24LKE
CU-E28LKE

WALL MOUNTED // INVERTER+

NEW ETHEREA WITH ECO PATROL, MORE EFFICIENT, MORE COMFORT, MORE DESIGN, MORE HEALTHY AIR

Eco Patrol's sensor technology uses factors such as speed, frequency and temperature to determine the human activity level in the room for maximum comfort and maximum savings. With Eco Patrol, you can save up to 30%. Furthermore, Etherea is more efficient than ever with 64% less consumption for the non Inverter model on heat pump mode, and can reach 71% total savings when used with Eco Patrol. More efficiency for bigger savings!

Etherea has an advanced air purifying system with the new Patrol Sensor to detect and eliminate contaminants.

Etherea is also able to prevent rapid decreases in room humidity with the new mild dry cooling system which increases comfort, especially when sleeping with the air conditioning running.

Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on.

FOR XE7, E7, XE9, E9, XE12 AND E12

WALL MOUNTED ETHEREA // INVERTER+

Silver Kit			**KIT-XE7-LKE-3**	**KIT-XE9-LKE-3**	**KIT-XE12-LKE-3**	**KIT-XE15-LKE-3**
Indoor			**CS-XE7LKEW**	**CS-XE9LKEW**	**CS-XE12LKEW**	**CS-XE15LKE-3**
Outdoor			**CU-E7LKE-3**	**CU-E9LKE-3**	**CU-E12LKE-3**	**CU-E15LKE-3**
White Kit			**KIT-E7-LKE-3**	**KIT-E9-LKE-3**	**KIT-E12-LKE-3**	**KIT-E15-LKE-3**
Indoor			**CS-E7LKEW**	**CS-E9LKEW**	**CS-E12LKEW**	**CS-E15LKEW-3**
Outdoor			**CU-E7LKE-3**	**CU-E9LKE-3**	**CU-E12LKE-3**	**CU-E15LKE-3**
Cooling capacity	Nominal (Min - Max)	kW	2.05 (0.70-2.40)	2.50 (0.80-3.00)	3.50 (0.80-4.00)	4.20 (0.80-5.00)
	Nominal (Min - Max)	kCal/h	1,760 (600-2,060)	2,150 (690-2,580)	3,010 (690-3,440)	3,610 (690-4,300)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.36 (4.12-4.14) A**	**4.67 (4.57-4.11) A**	**3.87 (4.32-3.39) A**	**3.44 (4.19-3.13) A**
Power input Cooling	Nominal (Min - Max)	kW	0.47 (0.17-0.58)	0.535 (0.175-0.730)	0.905 (0.185-1.180)	1.22 (0.215-1.60)
Heating capacity	Nominal (Min - Max)	kW	2.80 (0.70-4.00)	3.40 (0.80-5.00)	4.40 (0.80-6.70)	5.40 (0.90-7.10)
	Nominal (Min - Max)	kCal/h	2,410 (600-3,440)	2,920 (690-4,300)	3,780 (690-5,760)	4,640 (770-6110)
Heating capacity at -7°C	Nominal	kW	2.35	2.88	3.75	4.10
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.41 (4.38-3.92) A**	**4.63 (4.85-3.85) A**	**4.04 (4.57-3.47) A**	**3.70 (3.67-3.21) A**
Power input Heating	Nominal (Min - Max)	kW	0.635 (0.16-1.02)	0.735 (0.165-1.30)	1.09 (0.175-1.93)	1.46 (0.245-2.210)
Annual Energy Consumption [2]		kWh	235	268	453	610
Indoor unit						
Air Volume	Cooling / Heating	m^3/h	654 / 684	678 / 702	750 / 768	750 / 804
Moisture removal volume		l/h	1.3	1.5	2.0	2.4
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	37 / 24 / 20	39 / 25 / 20	42 / 28 / 20	43 / 32 / 29
	Heating (Hi / Lo / S-Lo)	dB(A)	38 / 25 / 20	40 / 27 / 20	42 / 33 / 20	43 / 35 / 29
Sound power Level	Cooling (Hi)	dB	53	55	58	59
	Heating (Hi)	dB	54	56	58	59
Dimensions	H x W x D	mm	290 x 870 x 204	290 x 870 x 204	290 x 870 x 204	290 x 870 x 204
Net weight		kg	9	9	9	9
Air purifier filter			Patrol + E-ion	Patrol + E-ion	Patrol + E-ion	Patrol + E-ion
Outdoor unit						
Power source		V	230	230	230	230
Connection		mm^2	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Current	Cooling / Heating Nominal	A	2.2 / 3.0	2.5 / 3.4	4.1 / 5.1	5.8 / 6.9
Max. current		A	4.7	5.8	8.9	9.7
Air Volume	Cooling / Heating	m^3/h	2,034 / 2,034	1,788 / 1,788	1,860 / 1,860	2,910 / 2,808
Sound pressure Level [3]	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 47	48 / 50	46 / 46
Sound power Level	Cooling / Heating (Hi)	dB	60 / 61	61 / 62	63 / 65	61 / 61
Dimensions [4]	H x W x D	mm	540 x 780 x 289	540 x 780 x 289	540 x 780 x 289	750 x 875 x 345
Net weight		kg	33	34	34	48
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	1/2" (12.70)
Refrigerant Loading	R410A	kg	0.830	0.950	0.970	1.06
Elevation difference (in/out) [5]	Max	m	15	15	15	15
Piping length	Min / Max	m	3-15	3-15	3-15	3-15
Piping length without refrigerant increase	Max	m	7.5	7.5	7.5	7.5
Additional gas		g/m	20	20	20	20
Operating range [3]	Cooling Min / Max	°C	+5 / +43	+5 / +43	+5 / +43	+5 / +43
	Heating Min / Max	°C	-15 / +24	-15 / +24	-15 / +24	-15 / +24

GLOBAL REMARKS	Rating conditions	Cooling	Heating
	Inside air temperature	27°C DB / 19°C WB	20°C DB
	Outside air temperature	35°C DB / 24°C WB	7°C DB / 6°C WB

DB: Dry Bulb; WB: Wet Bulb

Connectivity restriction: JKE units are not compatible with LKE units.

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.
2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.
3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.
4) Add 70 mm for piping port.
5) When installing the outdoor unit at a higher position than the indoor unit.

CS-XE7LKEW // CS-XE9LKEW // CS-XE12LKEW // CS-XE15LKE-3

NEW10

TECHNICAL FOCUS

- MAXIMUM EFFICIENCY AND COMFORT WITH ECO PATROL
- VERY EXCLUSIVE WHITE DESIGN
- NEW GENERATION OF E-ION AIR PURIFYING SYSTEM WITH 24-HR PATROL SENSOR
- MILD DRY COOLING: PREVENT A RAPID DECREASE IN ROOM HUMIDITY
- SUPER QUIET! ONLY 20DB, EQUIVALENT TO NIGHT-TIME IN THE COUNTRY (FOR E7, E9 AND E12)
- MORE POWERFUL AIRFLOW TO QUICKLY REACH THE DESIRED TEMPERATURE

CS-E7LKEW // CS-E9LKEW // CS-E12LKEW // CS-E15LKE-3

KIT-XE7-LKE-3 // KIT-XE9-LKE-3 // KIT-XE12-LKE-3 // KIT-XE15-LKE-3 // KIT-E7-LKE-3 // KIT-E9-LKE-3 // KIT-E12-LKE-3 // KIT-E15-LKE-3

HEALTHY AIR
- E-ion plus air purifying system
- Patrol sensor to detect and eliminate contaminants
- Air conditioner and purifier with simultaneous or independent operation
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system, for bigger savings
- -30% consumption with Eco Patrol on heat pump (-20% on cooling mode)
- R410A refrigerant gas

COMFORT
- Super Quiet mode (from 20dB)
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE
- Real time clock with dual ON&OFF timer
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- 15 m maximum connection distance
- 15 m maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

INCLUDED WITH THE INDOOR UNIT

CU-E7LKE-3
CU-E9LKE-3

CU-E12LKE-3

CU-E15LKE-3

WALL MOUNTED RE TYPE // STANDARD INVERTER

RE:Inverter models are powerful and efficient and are always there when you need them. Furthermore, with the Alleru-buster anti allergic filter, you can always enjoy the best quality air, without viruses, moulds and bacteria.

FOR RE9 AND RE12

WALL MOUNTED RE TYPE // STANDARD INVERTER

Kit			KIT-RE9-JKE-1	KIT-RE12-JKE-1	KIT-RE15-JKE-1	KIT-RE18-JKE-1	KIT-RE24-JKE-1
Indoor			CS-RE9JKE-1	CS-RE12JKE-1	CS-RE15JKE-1	CS-RE18JKE-1	CS-RE24JKE-1
Outdoor			CU-RE9JKE-1	CU-RE12JKE-1	CU-RE15JKE-1	CU-RE18JKE-1	CU-RE24JKE-1
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,90-3,00)	3,50 (0,90-3,90)	4,20 (1,00-4,60)	5,00 (0,90-6,00)	6,80 (0,90-8,10)
	Nominal (Min - Max)	kCal/h	2.150 (770-2.580)	3.010 (770-3.350)	3.610 (860-3960)	4.300 (770-5.160)	5.850 (770-6.970)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**3,57 (4,74-3,00) A**	**3,47 (5,29-3,25) A**	**3,33 (4,76-2,78) A**	**3,40 (4,19-2,96) A**	**3,21 (2,57-3,00) A**
Power input Cooling	Nominal (Min - Max)	kW	0,70 (0,19-1,00)	1,01 (0,17-1,2)	1,26 (0,21-1,65)	1,47 (0,215-2,03)	2,12 (0,35-2,70)
Heating capacity	Nominal (Min - Max)	kW	3,30 (0,90-4,10)	4,25 (0,90-5,10)	5,00 (0,90-6,80)	5,80 (0,90-8,00)	8,60 (0,90-9,90)
	Nominal (Min - Max)	kCal/h	2.840 (770-3.520)	3.660 (770-4.390)	4.300 (770-5848)	4.990 (770-6.880)	7.400 (770-8.510)
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4,02 (5,29-3,57) A**	**3,79 (6,00-3,49) A**	**3,61 (4,28-2,98) A**	**3,77 (3,67-3,08) A**	**3,23 (2,50-3,09) C**
Power input Heating	Nominal (Min - Max)	kW	0,82 (0,17-1,15)	1,12 (0,15-1,46)	1,385(0,21-2,280)	1,54 (0,245-2,60)	2,66 (0,36-3,20)
Annual Energy Consumption [2]		kWh	350	505	630	735	1.060
Indoor unit							
Power source		V	230 (Via outdoor)	230 (Via outdoor)	230 (Via outdoor)	230 (Via outdoor)	230 (Via outdoor)
Connection		mm^2	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Current Cooling	Nominal	A	3,30	4,7	6,00	6,7	9,7
Current Heating	Nominal	A	3,70	5,2	6,30	7,0	12,1
Max. current		A	5,10	6,80	10,5	11,7	14,6
Air Volume	Cooling / Heating	m^3/h	750 / 750	756 / 798	840 / 936	978 / 1.074	1.104 / 1.170
Moisture removal volume		l/h	1,4	2,0	2,4	2,8	3,9
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	42 / 27 / 22	42 / 30 / 22	46 / 31 / 29	44 / 37	47 / 38
	Heating (Hi / Lo / S-Lo)	dB(A)	42 / 27 / 25	42 / 33 / 25	46 / 34 / 28	44 / 37	47 / 38
Sound power Level	Cooling (Hi)	dB	58	58	62	60	63
	Heating (Hi)	dB	58	58	62	60	63
Dimensions	H x W x D	mm	290 x 848 x 204	290 x 848 x 204	290 x 848 x 204	290 x 1.070 x 235	290 x 1.070 x 235
Net weight		kg	9	9	9	12	12
Air purifier filter			Alleru-buster filter	Alleru-buster filter	Alleru-buster filter	Alleru-buster filter	Alleru-buster filter
Outdoor unit							
Air Volume	Cooling / Heating	m^3/h	1.734 / 1.734	1.830 / 1.830	1.872 / 1.794	2.400 / 2.316	3.012 / 3.012
Sound pressure Level [3]	Cooling (Hi)	dB(A)	47	48	50	47	52
	Heating (Hi)	dB(A)	48	50	51	47	52
Sound power Level	Cooling (Hi)	dB	63	64	66	61	66
	Heating (Hi)	dB	64	66	67	61	66
Dimensions [4]	H x W x D	mm	540 x 780 x 289	540 x 780 x 289	540 x 780 x 289	750 x 875 x 345	795 x 875 x 320
Net weight		kg	24	28	36	48	65
Piping connections	Liquid pipe	inch (mm)	1/4" (6,35)	1/4" (6,35)	1/4" (6,35)	1/4" (6,35)	1/4" (6,35)
	Gas pipe	inch (mm)	3/8" (9,52)	3/8" (9,52)	1/2" (12,70)	1/2" (12,70)	5/8" (15,88)
Refrigerant Loading	R410A	kg	0,85	0,970	1,00	1,15	1,70
Elevation difference (in/out) [5]	Max	m	5	5	5	15	20
Piping length	Min / Max	m	3-15	3-15	3-15	3-20	3-30
Piping length without refrigerant increase	Max	m	7,5	7,5	7,5	10	10
Additional gas		g/m	20	20	20	20	30
Operating range [3]	Cooling Min / Max	°C	+5 / +43	+5 / +43	+5 / +43	+5 / +43	+16 / +43
	Heating Min / Max	°C	-5 / +24	-5 / +24	-5 / +24	-5 / +24	-5 / +24

GLOBAL REMARKS

Rating conditions	Cooling	Heating
Inside air temperature	27ºC DB / 19ºC WB	20ºC DB
Outside air temperature	35ºC DB / 24ºC WB	7ºC DB / 6ºC WB

DB: Dry Bulb; WB: Wet Bulb
This model is not suitable to use in heating mode below -5ºC with continuous operation (24h operation).
Connectivity restriction: JKE units are not compatible with JKE-1 units.

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.
2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.
3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.
4) Add 70 mm for piping port.
5) When installing the outdoor unit at a higher position than the indoor unit.

CS-RE9JKE-1 // CS-RE12JKE-1 // CS-RE15JKE-1

TECHNICAL FOCUS

- COMPLETE LINE-UP OF STANDARD INVERTER MODELS
- QUIETER INDOOR UNITS
- HIGH ENERGY SAVINGS
- REFRESHING AIRFLOW WITH RELAXING BREEZE EFFECT
- LONG CONNECTION DISTANCE (FROM 15 M UP TO 30 M)

CS-RE18JKE-1 // CS-RE24JKE-1

KIT-RE9-JKE-1 // KIT-RE12-JKE-1 // KIT-RE15-JKE-1 // KIT-RE18-JKE-1 // KIT-RE24-JKE-1

HEALTHY AIR
- New generation Alleru-buster anti allergic filter with 10-year warranty
- Odour-removing function
- Anti-mould filter

ENERGY, EFFICIENCY AND ECOLOGY
- Inverter system
- R410A refrigerant gas

COMFORT
- Refreshing airflow with relaxing breeze effect (only for RE9, RE12 and RE15)
- Super Quiet mode (only for RE9, RE12 and RE15)
- Powerful mode (only for RE9 and RE12 and RE15)
- Automatic vertical airflow control
- Hot start mode
- Automatic restart
- Simple change over

EASE OF USE
- 12-hr timer (only for RE9, RE12 and RE15)
- 24-hr timer (only for RE18 and RE24)
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- 15 m maximum connection distance (20 m for RE18 and 30 m for RE24)
- Removable, washable panel
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

FOR RE9, RE12 AND RE15. INCLUDED WITH THE INDOOR UNIT

FOR RE18 AND RE24. INCLUDED WITH THE INDOOR UNIT

CU-RE9JKE-1
CU-RE12JKE-1
CU-RE15JKE-1

CU-RE18JKE-1

CU-RE24JKE-1

WALL MOUNTED TYPE // INVERTER+ // -15ºC

Complete line-up of air purifying systems with high efficiency even at -15ºC! This wall-mounted air conditioning is especially designed for professional applications such as computer rooms where cooling inside the room is necessary even when the outside temperature is low. Furthermore this air conditioner has an automatic changeover system, in order to maintain the inside temperature even when sharp outside temperature changes occur.

FOR E9

WALL MOUNTED TYPE // INVERTER+ // -15ºC

Kit			KIT-E9-HKEA	KIT-E12-HKEA	KIT-E15-HKEA	KIT-E18-HKEA	KIT-E21-HKEA
Indoor			**CS-E9HKEA**	**CS-E12HKEA**	**CS-E15HKEA**	**CS-E18HKEA**	**CS-E21HKEA**
Outdoor			**CU-E9HKEA**	**CU-E12HKEA**	**CU-E15HKEA**	**CU-E18HKEA**	**CU-E21HKEA**
Cooling capacity	Nominal (Min - Max)	kW	2.60 (0.60-3.00)	3.50 (0.60-4.00)	4.40 (0.90-5.00)	5.30 (0.90-6.00)	6.30 (0.90-7.10)
	Nominal (Min - Max)	kCal/h	2,240 (690-2,580)	3,010 (690-3,440)	3,780 (690-4,300)	4,560 (770-5,160)	5,420 (770-6,110)
EER [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.41 (5.00-4.00) A**	**3.80 (5.00-3.39) A**	**3.21 (4.19-3.13) A**	**3.21 (4.19-2.93) A**	**2.85 (4.19-2.8) C**
Power input Cooling	Nominal (Min - Max)	kW	0.59 (0.12-0.75)	0.92 (0.12-1.18)	1.37 (0.215-1.6)	1.65 (0.215-2.05)	2.21 (0.215-2.54)
Heating capacity	Nominal (Min - Max)	kW	3.60 (0.60-5.40)	4.80 (0.60-6.60)	5.50 (0.90-7.10)	6.60 (0.90-8.00)	7.20 (0.90-8.50)
	Nominal (Min - Max)	kCal/h	3,100 (520-4,640)	4,130 (520-5,680)	4,730 (770-6,110)	5,680 (770-6,880)	6,190 (770-7,310)
Heating capacity at -7°C	Nominal	kW	3.13	3.86	3.98	4.98	5.24
COP [1]	**Nominal (Min - Max)**	**Energy Saving Classification**	**4.26 (5.22-3.97) A**	**3.81 (5.22-3.57) A**	**3.50 (3.67-3.16) B**	**3.69 (3.67-3.02) A**	**3.43 (3.67-3.09) B**
Power input Heating	Nominal (Min - Max)	kW	0.845 (0.115-1.36)	1.26 (0.115-1.85)	1.57 (0.245-2.25)	1.79 (0.245-2.65)	2.10 (0.245-2.75)
Annual Energy Consumption [2]		kWh	295	460	685	825	1,105
Indoor unit							
Power source		V	230	230	230	230	230
Connection		mm²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5	4 x 2.5
Current Cooling	Nominal	A	2.9	4.3	6.3	7.5	9.9
Current Heating	Nominal	A	4.0	5.8	7.1	8.1	9.3
Max. current		A	6.4	8.4	10.2	11.9	12.6
Air Volume	Cooling / Heating	m³/h	576 / 630	642 / 672	660 / 708	912 / 1,002	972 / 1,038
Moisture removal volume		l/h	1.6	2.0	2.4	2.9	3.5
Sound pressure Level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	39 / 26 / 23	42 / 29 / 26	43 / 32 / 29	44 / 37 / 34	45 / 37 / 34
	Heating (Hi / Lo / S-Lo)	dB(A)	40 / 27 / 24	42 / 33 / 30	43 / 35 / 32	44 / 37 / 34	45 / 37 / 34
Sound power Level	Cooling (Hi)	dB	50	53	54	57	58
	Heating (Hi)	dB	51	53	54	57	58
Dimensions	H x W x D	mm	280 x 799 x 183	280 x 799 x 183	280 x 799 x 183	275 x 998 x 230	275 x 998 x 230
Net weight		kg	9	9	9	11	11
Air purifier filter			Alleru-buster filter + Ion	Alleru-buster filter + Ion	Alleru-buster filter + Ion	Alleru-buster filter + Ion	Alleru-buster filter + Ion
Outdoor unit							
Air Volume	Cooling / Heating	m³/h	1,788 / 1,788	1,860 / 1,860	2,910 / 2,808	2,400 / 2,400	2,568/ 2,490
Sound pressure Level [3]	Cooling (Hi)	dB(A)	46	48	46	47	48
	Heating (Hi)	dB(A)	47	50	46	47	49
Sound power Level	Cooling (Hi)	dB	59	61	59	60	61
	Heating (Hi)	dB	60	63	59	60	62
Dimensions [4]	H x W x D	mm	540 x 780 x 289	540 x 780 x 289	750 x 875 x 345	750 x 875 x 345	750 x 875 x 345
Net weight		kg	35	35	48	49	51
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	3/8" (9.52)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)
Refrigerant Loading	R410A	kg	0.930	0.970	1.060	1.18	1.29
Elevation difference (in/out) [5]	Max	m	5	5	5	15	15
Piping length	Min / Max	m	3-15	3-15	3-15	3-20	3-20
Piping length without refrigerant increase	Max	m	7.5	7.5	7.5	10	10
Additional gas		g/m	20	20	20	20	20
Operating range [3]	Cooling Min / Max	°C	-15 / +43	-15 / +43	-15 / +43	-15 / +43	-15 / +43
	Heating Min / Max	°C	-10 / +24	-10 / +24	-15 / +24	-15 / +24	-15 / +24

GLOBAL REMARKS

Rating conditions	Cooling	Heating
Inside air temperature	27ºC DB / 19ºC WB	20ºC DB
Outside air temperature	35ºC DB / 24ºC WB	7ºC DB / 6ºC WB

DB: Dry Bulb; WB: Wet Bulb

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.
2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.
3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.
4) Add 70 mm for piping port.
5) When installing the outdoor unit at a higher position than the indoor unit.

CS-E9HKEA // CS-E12HKEA // CS-E15HKEA

TECHNICAL FOCUS

- HIGHLY EFFICIENT HEAT PUMP AND COOLING EVEN AT -15ºC
- SUPERSONIC AIR PURIFYING SYSTEM WITH ALLERU-BUSTER ANTI ALLERGIC FILTER
- SUPER QUIET! ONLY 23DB (ONLY FOR E9)
- MORE POWERFUL AIRFLOW TO QUICKLY REACH THE DESIRED TEMPERATURE
- MAXIMUM CONNECTION DISTANCE 15 M (E9, 12, 15), 20M (E18, 21)

CS-E18HKEA // CS-E21HKEA

KIT-E9-HKEA // KIT-E12-HKEA // KIT-E15-HKEA // KIT-E18-HKEA // KIT-E21-HKEA

HEALTHY AIR
- Refreshing ion generator boosts well-being
- Alleru-buster anti allergic filter
- Soft dry operation mode

ENERGY EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system
- R410A refrigerant gas

COMFORT
- Operates in cold/hot mode in temperatures as low as -15ºC (E9, 12: -10 °C)
- Automatically changes from cold to hot depending on inside temperature
- Super Quiet mode
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical and horizontal airflow control
- Hot start mode
- Automatic restart

EASE OF USE
- 24-hr timer
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- Maximum connection distance 15 m (E9, 12, 15), 20m (E18, 21)
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function
- Soft dry operation mode

INCLUDED WITH THE INDOOR UNIT

CU-E9HKEA
CU-E12HKEA

CU-E15HKEA CU-E21HKEA
CU-E18HKEA

OPTIONAL

WALL-MOUNTED TYPE // STANDARD HEAT PUMP

Powerful heat pump non-Inverter air conditioning. A class efficiency for high savings.

WALL-MOUNTED TYPE // STANDARD HEAT PUMP

Kit			**KIT-PW9-GKE**	**KIT-PW12-GKE**	**KIT-PW18-GKE**	**KIT-PW24-JKE**
Indoor			**CS-PW9GKE**	**CS-PW12GKE**	**CS-PW18GKE**	**CS-PW24JKE**
Outdoor			**CU-PW9GKE**	**CU-PW12GKE**	**CU-PW18GKE**	**CU-PW24JKE**
Cooling capacity	Nominal	kW	2.65	3.4	5.10	7.03
		kCal/h	2,280	2,920	4,386	6,046
EER [1]	**Nominal**	**Energy Saving Classification**	**3.21 A**	**3.22 A**	**2.91 C**	**2.53 E**
Power input Cooling	Nominal	kW	0.825	1.055	1.75	2.78
Heating capacity	Nominal	kW	2.85	3.8	5.30	7.50
		kCal/h	2,450	3,260	4,560	6,450
COP [1]	**Nominal**	**Energy Saving Classification**	**3.63 A**	**3.61 A**	**3.35 C**	**2.87 D**
Power input Heating	Nominal	kW	0.785	1.05	1.58	2.61
Annual Energy Consumption [2]		kWh	413	528	875	1,390
Indoor unit						
Power source		V	230	230	230	230
Connection		mm²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5
Current Cooling	Nominal	A	3.9	5.0	7.7	13.1
Current Heating	Nominal	A	3.7	4.9	6.9	12.5
Air Volume	Cooling / Heating	m³/h	618 / 618	540 / 552	972 / 984	1,044 / 1,092
Moisture removal volume		l/h	1.6	1.9	2.9	4.0
Sound pressure level [3]	Cooling (Hi / Lo / S-Lo)	dB(A)	39 / 31	39 / 32	45 / 38	47 / 41
	Heating (Hi / Lo / S-Lo)	dB(A)	29 / 38	39 / 31	43 / 38	46 / 41
Sound power level	Cooling (Hi)	dB	50	50	58	59
	Heating (Hi)	dB	50	50	56	57
Dimensions	H x W x D	mm	250 x 770 x 205	280 x 799 x 183	275 x 998 x 230	275 x 998 x 230
Net weight		kg	7.5	9	11	11
Air purifier filter	Optional		CZ-SA14P Alleru-buster filter	CZ-SA14P Alleru-buster filter	CZ-SA14P Alleru-buster filter	CZ-SA14P Alleru-buster filter
Outdoor unit						
Air Volume	Cooling / Heating	m³/h	630	672	1,740	3,102
Sound pressure level [3]	Cooling (Hi)	dB(A)	48	49	55	54
	Heating (Hi)	dB(A)	49	50	55	55
Sound power level	Cooling (Hi)	dB	61	62	70	69
	Heating (Hi)	dB	62	63	70	70
Dimensions [4]	H x W x D	mm	530 x 650 x 230	540 x 780 x 289	540 x 780 x 289	750 x 875 x 345
Net weight		kg	27	30	44	63
Piping connections	Liquid pipe	inch (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)
	Gas pipe	inch (mm)	3/8" (9.52)	3/8" (9.52)	1/2" (12.70)	5/8" (15.88)
Refrigerant Loading	R410A	kg	0.80	0.98	1.33	1.82
Elevation difference (in/out) [5]	Max	m	5	5	20	20
Piping length	Min / Max	m	3 / 10	3 / 15	3 / 25	3 / 25
Piping length without refrigerant increase	Max	m	7.5	7.5	7.5	7.5
Additional gas		g/m	20	20	20	30
Operating range [3]	Cooling Min / Max	ºC	21 / 43	21 / 43	16 / 43	16 / 43
	Heating Min / Max	ºC	-5 / 24	-5 / 24	-5 / 24	-5 / 24

GLOBAL REMARKS

Rating conditions	Cooling	Heating
Inside air temperature	27ºC DB / 19ºC WB	20ºC DB
Outside air temperature	35ºC DB / 24ºC WB	7ºC DB / 6ºC WB

DB: Dry Bulb; WB: Wet Bulb
This model is not suitable to use in heating mode below -5ºC with continuous operation (24h operation).

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC.
2) The annual consumption is calculated by multiplying the input power at 230 V by an avarage of 500 hours per year in cooling mode.
3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 meters below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.
4) Add 70 mm for piping port.
5) When installing the outdoor unit at a higher position than the indoor unit.

CS-PW9GKE // CS-PW12GKE

TECHNICAL FOCUS

- QUIET MODE FOR IMPROVED COMFORT
- ODOUR REMOVING FUNCTION
- EASY TO INSTALL
- R410A REFRIGERANT GAS
- MANUAL AND AUTOMATIC AIRFLOW CONTROL

CS-PW18GKE // CS-PW24JKE

KIT-PW9-GKE // KIT-PW12-GKE // KIT-PW18-GKE // KIT-PW24-JKE

HEALTHY AIR
- Soft dry operation mode
- Odour-removing function
- CZ-SA14P Alleru-buster anti allergic filter (optional)

ENERGY EFFICIENCY AND ECOLOGY
- R410A refrigerant gas

COMFORT
- Manual horizontal airflow control
- Automatic vertical airflow control
- Hot start mode
- Automatic restart

EASE OF USE
- 12-hr timer (For PW9 and PW12)
- 24-hr timer (For PW18 and PW24)
- User friendly infrared remote control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- Maintenance access through the top panel of the outdoor unit

FOR PW9 AND PW12. INCLUDED WITH THE INDOOR UNIT

FOR PW18 AND PW24. INCLUDED WITH THE INDOOR UNIT

CU-PW9GKE

CU-PW12GKE

CU-PW18GKE

CU-PW24JKE